ROBUST STEREO-DRIVEN VIDEO-BASED SURVEILLANCE

ABSTRACT OF THE DISCLOSURE

A method of tracking an object comprises providing a
plurality of cameras, determining an image from each camera, and

5   determining a common plane in the images. The method further

comprises determining a parallax for scene points across the

images, incorporating the parallax as a feature in a background

model, and estimating a change in the scene using the background

model. A camera can be a pan-tilt-zoom camera. A camera can be

10   uncalibrated.